GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 14, 2002, 17:27:05 ; Search time 27.69 Seconds
(without alignments)
18.726 Million cell updates/sec

Title: US-09-786-009-9
Perfect score: 42
Sequence: 1 CDPERDS 7

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 522464 seqs, 74074293 residues

Total number of hits satisfying chosen parameters: 522464

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: A_Geneseq_1101:*
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2: /SIDS1/gcgdata/geneseq/geneseq-[illegible]:AAB33224 DAT: *
3: /SIDS1/gcgdata/geneseq/geneseq-[illegible]:AAG55223 DAT: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	42	100.0	7	21	AAY84619	Biotinylated pepti
2	39	92.9	114	21	AAB33224	Zea mays protein f
3	39	92.9	256	21	AAG55223	Zea mays protein t
4	35	83.3	97	21	AAG54603	Zea mays protein t
5	35	83.3	103	21	AAG25943	Zea mays protein t
6	35	83.3	114	21	AAG27102	Zea mays protein t
7	35	83.3	126	21	AAG54602	Zea mays protein t
8	35	83.3	129	21	AAG27224	Zea mays protein t
9	35	83.3	141	21	AAG27101	Zea mays protein t
10	35	83.3	149	21	AAG22748	Zea mays protein t
11	35	83.3	151	21	AAG27222	Zea mays protein t
12	35	83.3	156	21	AAG25942	Zea mays protein t
13	35	83.3	162	21	AAG54616	Arabidopsis thalia
14	35	83.3	164	21	AAG54601	Zea mays protein t
15	35	83.3	175	21	AAG22747	Zea mays protein t
16	35	83.3	195	21	AAY11619	Human 5' EST sequence
17	35	83.3	213	21	AAG45283	Zea mays protein t
18	35	83.3	223	21	AAG17417	Arabidopsis thalia
19	35	83.3	225	21	AAG54617	Arabidopsis thalia
20	35	83.3	229	21	AAG45273	Zea mays protein t
21	35	83.3	230	21	AAG45275	Arabidopsis thalia
22	35	83.3	230	21	AAG48442	Arabidopsis thalia
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24	35	83.3	246	21	AAG11245	Arabidopsis thalia
25	35	83.3	246	21	AAG17242	Arabidopsis thalia
26	35	83.3	246	21	AAG45054	Arabidopsis thalia
27	35	83.3	246	21	AAG54285	Arabidopsis thalia
28	35	83.3	252	21	AAG07428	Arabidopsis thalia
29	35	83.3	253	21	AAG45421	Zea mays protein t
30	35	83.3	254	21	AAG45424	Zea mays protein t
31	35	83.3	255	21	AAG45454	Arabidopsis thalia
32	35	83.3	255	21	AAG48491	Arabidopsis thalia
33	35	83.3	256	21	AAG17426	Arabidopsis thalia
34	35	83.3	256	21	AAG54272	Zea mays protein t
35	35	83.3	256	21	AAG45440	Arabidopsis thalia
36	35	83.3	257	21	AAG45452	Zea mays protein t
37	35	83.3	261	21	AAG21170	Zea mays protein t
38	35	83.3	279	21	AAG45453	Arabidopsis thalia
39	35	83.3	288	21	AAG21169	Zea mays protein t
40	35	83.3	292	21	AAG45451	Zea mays protein t
41	35	83.3	298	21	AAG48500	Arabidopsis thalia
42	35	83.3	300	21	AAG17469	Arabidopsis thalia
43	35	83.3	371	21	AAG54441	Chlamydia pneumoni
44	35	83.3	471	21	AAM45490	Human protein seq.
45	35	83.3	536	21	AAW72795	Human secretion

ALIGNMENTS

RESULT 1
AAY84619
ID AAY84619 standard; peptide 7 AA.
XX
AC AAY84619;
XX
DT 25-MAY-2000 (first entry)
XX
DE Biotinylated peptide used as a target peptide.
XX
KW Biotinylated target peptide; [illegible] peptide;
KW restriction endonuclease; ligation.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Modified site 5
FT /note= "biotin attached to the epsilon amino group"
XX
PN WO200018881-A2.
XX
PD 06-APR-2000.
XX
PF 30-SEP-1999, 99WO-US22776.
XX
PR 30-SEP-1998; 98US-0102413.
XX
PA (NEWE) NEW ENGLAND BIOLABS INC.
XX
PI Xu M, Evans TC;
XX
DR WPI; 2000-253136/22.
XX
PT Production of a second synthetic [illegible] useful in a [illegible] assay for producing a

```
PT   target protein fused to a protein splicing element (intein),
PT   selectively cleaving the fusion
XX
PS   Example 2; Page 17; 47pp; English.
XX
CC   The specification describes a method for fusing an expressed protein
CC   with a peptide. The method comprises generating at least one C terminal
CC   thioester tagged target protein and at least one target peptide having
CC   a specified N terminal and ligating the target peptide to the target
CC   protein. The method allows production of semi synthetic fusion proteins
CC   in vitro and is particularly useful in the production of cytotoxic
CC   proteins such as restriction endonucleases which have not been cloned
CC   by traditional methods. The ligation methods expand the ability to
CC   incorporate non coded amino acids into large protein sequences by
CC   generating a synthetic peptide fragment with fluorescent probes, spin
CC   labels, affinity tags, radiolabels or antigenic determinants and ligating
CC   this to an in vivo expressed protein isolated using a modified
CC   intein. The present sequence represents a target peptide of the
CC   invention.
XX
SQ   Sequence    7 AA;


  Query Match             100.0%;  Score 42;  DB 21;  Length 7;
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  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 CDPEKDS 7
           ||||||| |
Db       1 CDPEKDS 7


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AC   AAG33224;
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DT   18-OCT-2000  (first entry)
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DE   Zea mays protein fragment SEQ ID No: 40224.
XX
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KW   hybridization assay; genetic mapping; gene expression control; promoter;
KW   termination sequence; vorn.
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OS   Zea mays subsp. mays.
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PN   EP1033405-A2.
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PF   25-FEB-2000; 2000EP-0301439.
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Best Local Similarity [illegible]
Matches [illegible]

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DB 2 cdpekdt 8

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XX
DT 18-OCT-2000 (first entry)
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DE Zea mays protein fragment SEQ ID NO: 1...
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KW Protein fertilisation; signal transduction; [illegible] pollen tube; pollen;
KW hybridisation assay; double fertilisation; [illegible] cross pollination;
KW termination sequence; corn
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OS Zea mays subsp. mays.
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Db 45 cdpekdn 51

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AC AAG54603;
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DT 18-OCT-2000 (first entry)
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KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control, promoter,
KW termination sequence; corn.
XX
OS Zea mays subsp. mays.
XX
PN EP1033405-A2.
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PD 06-SEP-2000.
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PF 25-FEB-2000; 2000EP-0301439.
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PR 06 AUG 1999; 99US 0147303.
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PR 31 AUG 1999; 99US 0151486.
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PR 10 SEP 1999; 99US 0153070.
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Best Local Similarity 73.4%; Pred. No. 20;
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AC AAG25944;
XX
DT 17-OCT-2000 (first entry)
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DE Zea mays protein fragment SEQ ID NO: 30211.
XX
KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence; corn.
XX
OS Zea mays subsp. mays.
XX
PN EP1033405-A2.
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PD 06-SEP-2000.
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PR 28-OCT-1999; 99US-0161991.
PR 29-OCT-1999; 99US-0162141.

Query Match 21.5% Score 45 4.21 Length 103;
Best Local Similarity 71.4% Pred. No. .
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CDPEEDS 7

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Db      16 edpeken 22


RESULT   6
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ID   AAG27102 standard; Protein; 114 AA.
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AC   AAG27102;
XX
DT   17-OCT-2000  (first entry)
XX
DE   Zea mays protein fragment SEQ ID NO: 4809.
XX
KW   Protein identification; signal transduction pathway; metabolic pathway;
KW   hybridisation assay; genetic mapping; gene expression control; promoter;
KW   termination sequence; corn.
XX
OS   Zea mays subsp. mays.
XX
[redacted]   EP1033405-A2.
XX
PD   06-SEP-2000.
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PF   25-FEB-2000; 2000EP-0301449.
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PR   25-FEB-1999;   99US-0121825.
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PR   09-MAR-1999;   99US-0123548.
PR   23-MAR-1999;   99US-0125788.
PR   25-MAR-1999;   99US-0126264.
PR   29-MAR-1999;   99US-0126785.
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DT 17-OCT-2000 (first entry)
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KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control, promoter,
KW termination sequence; corn.
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OS Zea mays subsp. mays.
XX
PN EP1033405-A2.
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PD 06-SEP-2000.
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PR 28-JUL-1999; 99US-0145951.
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PR 04-AUG-1999; 99US-0147204.
PR 04-AUG-1999; 99US-0147305.
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PR 09-AUG-1999; 99US-0147493.
PR 09-AUG-1999; 99US-0147993.
PR 10-AUG-1999; 99US-0148171.
PR 11-AUG-1999; 99US-0148317.
PR 12-AUG-1999; 99US-0148541.
PR 13-AUG-1999; 99US-0148565.
PR 13-AUG-1999; 99US-0148681.
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PR 17-AUG-1999; 99US-0149079
PR 18-AUG-1999; 99US-0149426
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PR 20-AUG-1999; 99US-0149723
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PR 23-AUG-1999; 99US-0149962
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PR 25-AUG-1999; 99US-0150566
PR 26-AUG-1999; 99US-0150884
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PR 27-AUG-1999; 99US-0151083
PR 30-AUG-1999; 99US-0151463
PR 31-AUG-1999; 99US-0151483

PR 01 SEP 1999; 99US 0151030.
PR 07 SEP 1999; 99US 0152063.
PR 10 SEP 1999; 99US 0153070.
PR 13 SEP 1999; 99US 0153758.
PR 15 SEP 1999; 99US 0154010.
PR 16 SEP 1999; 99US 0154059.
PR 20 SEP 1999; 99US 0154779.
PR 22 SEP 1999; 99US 0155164.
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PR 24 SEP 1999; 99US 0155659.
PR 28 SEP 1999; 99US 0156458.
PR 29 SEP 1999; 99US 0156596.
PR 04 OCT 1999; 99US 0.57117.
PR 05 OCT 1999; 99US 0.57758.
PR 06 OCT 1999; 99US 0.57865.
PR 07 OCT 1999; 99US 0.58029.
PR 08 OCT 1999; 99US 0.58242.
PR 12 OCT 1999; 99US 0.58869.
PR 13 OCT 1999; 99US 0.59293.
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PR 14 OCT 1999; 99US 0.59329.
PR 14 OCT 1999; 99US 0159330.
PR 14 OCT 1999; 99US 0159331.
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PR 18 OCT 1999; 99US 0159684.
PR 21 OCT 1999; 99US 0160741.
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PR 21 OCT 1999; 99US 0160768.
PR 21 OCT 1999; 99US 0160770.
PR 21 OCT 1999; 99US 0160814.
PR 21 OCT 1999; 99US 0160815.
PR 22 OCT 1999; 99US 0160980.
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PR 25 OCT 1999; 99US 0161405.
PR 25 OCT 1999; 99US 0161406.
PR 26 OCT 1999; 99US 0161459.
PR 26 OCT 1999; 99US 0161460.
PR 26 OCT 1999; 99US 0161461.
PR 28 OCT 1999; 99US 0161960.
PR 28 OCT 1999; 99US 0161962.
PR 28 OCT 1999; 99US 0161963.
PR 29 OCT 1999; 99US 0162142.

Query Match 83.4%; Score 85; DB 21; Length 129;
Best Local Similarity 71.4%; Prod. No. 27;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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RESULT 9
AAG27161
ID AAG27161 standard; Protein; 141 AA.
XX
AC AAG27161;
XX
DT 17-OCT-2000 (first entry)
XX
DE Zea mays protein fragment SEQ ID NO: 41808.
XX
KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence; vrn.
XX
OS Zea mays subsp. mays.
XX
PN EP1044975-A2.

XX
PD 06-SEP-2000.
XX
PF 25-FEB-2000; 2000EP-0301459.
XX
PR 25-FEB-1999; 99US-0121827.
PR 05-MAR-1999; 99US-0123180.
PR 09-MAR-1999; 99US-0123548.
PR 23-MAR-1999; 99US-0125788.
PR 25-MAR-1999; 99US-0126264.
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PR 01-APR-1999; 99US-0127462.
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PR 08-JUN-1999; 99US-0138004.
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PR 29-JUN-1999; 99US-0140991.
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PR 01-JUL-1999; 99US-0142154.

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PR 23-JUL-1999; 99US-0145145.
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PR 26-JUL-1999; 99US-0145276.
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PR 02-AUG-1999; 99US-0146386.
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PR 03-AUG-1999; 99US-0147038.
PR 04-AUG-1999; 99US-0147204.
PR 04-AUG-1999; 99US-0147302.
PR 05-AUG-1999; 99US-0147192.
PR 05-AUG-1999; 99US-0147260.
PR 06-AUG-1999; 99US-0147303.
PR 06-AUG-1999; 99US-0147416.
PR 09-AUG-1999; 99US-0147493.
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PR 10-AUG-1999; 99US-0148171.
PR 11-AUG-1999; 99US-0148319.
PR 12-AUG-1999; 99US-0148341.
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PR 25-AUG-1999; 99US-0150566.
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PR 27-AUG-1999; 99US-0151080.
PR 30-AUG-1999; 99US-0151303.
PR 31-AUG-1999; 99US-0151438.
PR 01-SEP-1999; 99US-0151930.
PR 07-SEP-1999; 99US-0152363.
PR 10-SEP-1999; 99US-0153070.
PR 13-SEP-1999; 99US-0153758.
PR 15-SEP-1999; 99US-0154018.
PR 16-SEP-1999; 99US-0154039.
PR 20-SEP-1999; 99US-0154779.
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PR 23-SEP-1999; 99US-0155481.
PR 24-SEP-1999; 99US-0155654.
PR 28-SEP-1999; 99US-0156483.
PR 29-SEP-1999; 99US-0156596.
PR 04-OCT-1999; 99US-0157117.
PR 05-OCT-1999; 99US-0157754.
PR 06-OCT-1999; 99US-0157865.
PR 07-OCT-1999; 99US-0158029.
PR 08-OCT-1999; 99US-0158232.
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PR 26-OCT-1999; 99US-0161860.
PR 26-OCT-1999; 99US-0161861.
PR 28-OCT-1999; 99US-0161962.
PR 28-OCT-1999; 99US-0161963.
PR 29-OCT-1999; 99US-0162142.

Query Match 85.4%; Score 45; DB 3; Length 141;
Best Local Similarity 71.4%; Pred. No. 1.;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CDPEKDS 7
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Db 43 cdpekeh 49

RESULT 10
AAG22748
ID AAG22748 standard; Protein; 149 AA.
XX
AC AAG22748;
XX
DT 17-OCT-2000 (first entry)
XX
DE Zea mays protein fragment SE ID NO: [illegible]
XX
KW Protein [illegible]; [illegible]; [illegible]; [illegible]; [illegible] protein;
KW hybridisation assay; genetic mapping; [illegible] resistance; [illegible];
KW termination sequence; corn.
XX
OS Zea mays subsp. mays.
XX
PN EP1033405-A2.
XX
PD 06-SEP-2000.
XX
PF 25-FEB-2000; 2000EP-0301459.
XX
PR 25-FEB-1999; 99US-0121811.
PR 05-MAR-1999; 99US-0123140.

PR 09-MAR-1999; 99US-012[illegible]
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PR 18

PR 06-OCT-1999; 99US-0157865.
PR 07-OCT-1999; 99US-0158029.
PR 08-OCT-1999; 99US-0158232.
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PR 18-OCT-1999; 99US-0159584.
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PR 21-OCT-1999; 99US-0160815.
PR 22-OCT-1999; 99US-0160980.
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PR 25-OCT-1999; 99US-0161404.
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PR 26-OCT-1999; 99US-0161359.
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PR 26-OCT-1999; 99US-0161361.
PR 28-OCT-1999; 99US-0161920.
PR 28-OCT-1999; 99US-0161992.
PR 28-OCT-1999; 99US-0161993.
PR 29-OCT-1999; 99US-0162142.

Query Match 93.3%; Score 25; DB 21; Length 149;
Best Local Similarity 71.4%; Pred. No. 31;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CDPEKDS 7
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Db 48 cdpeken 54

RESULT 11
AAG27222
ID AAG27222 standard; Protein; 151 AA.
XX
AC AAG27222;
XX
DT 17-OCT-2000 (first entry)
XX
DE Zea mays protein fragment SEQ ID NO: 31976.
XX
KW Protein identification, signal transduction pathway, metabolic pathway,
KW hybridisation assay, genetic mapping, gene expression control, promoter,
KW termination sequence, corn.
XX
OS Zea mays subsp. mays.
XX
PN EP1033405-A2.
XX
PD 06-SEP-2000.
XX
PF 25-FEB-2000; 2000EP-301439.
XX
PR 25-FEB-1999; 99US-0121825.
PR 05-MAR-1999; 99US-0123180.
PR 09-MAR-1999; 99US-0123548.
PR 23-MAR-1999; 99US-0125788.
PR 25-MAR-1999; 99US-0126264.
PR 29-MAR-1999; 99US-0126785.
PR 01-APR-1999; 99US-0127462.
PR 06-APR-1999; 99US-0128234.
PR 08-APR-1999; 99US-0128714.

PR 16-APR-1999; 99US-0129384.
PR 19-APR-1999; 99US-0130307.
PR 21-APR-1999; 99US-0130441.
PR 23-APR-1999; 99US-0130851.
PR 23-APR-1999; 99US-0130889.
PR 28-APR-1999; 99US-0131440.
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PR 01-JUN-1999; 99US-0137220.
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PR 01-SEP-1999; 99US-0151930.
PR 07-SEP-1999; 99US-0152063.
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PR 29-OCT-1999; 99US-0162142.

Query Match 83.8%; Score 35; DB 21; Length 151;
Best Local Similarity 71.4%; Pred. No. 32;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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Db 76 cdpekds 82

RESULT 12
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AC AAG25942;
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DT 17-OCT-2000 (first entry)
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KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence; corn
XX
OS Zea mays subsp. mays.
XX
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PR 26-OCT-1999; 99US-0161961.
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Query Match 88.8%; Score 35; DB 21; Length 156;
Best Local Similarity 71.4%; Pred. No. 33;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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Db 60 rdpeken 75

RESULT 13
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AC AAG58546;
XX
DT 18-OCT-2000 (first entry)
XX
DE Arabidopsis thaliana protein fragment SEQ ID NO: 68183.
XX
KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.
XX
OS Arabidopsis thaliana.
XX
PN EP1033405-A2.
XX
PD 06-SEP-2000.
XX
PF 25-FEB-2000; 2000EP-0301433.
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Query Match [illegible]
Best Local Similarity [illegible]
Matches [illegible]

Qy 1 CDPEKDS 7
Db 41 cdpekeN 47

RESULT 14
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DT 18-OCT-2000 (first entry)
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KW Protein identification; signal transduction; [illegible]
KW hybridisation assay; genetic mapping; [illegible]
KW termination sequence; corn
XX
OS Zea mays subsp. mays.
XX
PN EP1033405-A2.
XX
PD 06-SEP-2000.
XX
PF 25-FEB-2000; 2000EP-0301434.
XX
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PR 05-MAR-1999; 99US-0.12418.
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Query Match 84.4%; Score 25; DB 21; Length 164;
Best Local Similarity 71.4%; Pred. No. 45;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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Db 83 cdpekdn 89

RESULT 15
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AAG22747 standard; Protein; 173 AA.
XX
AC AAG22747;
XX
DT 17-OCT-2000 (first entry)
XX
DE Zea mays protein fragment SEQ ID NO: 25795.
XX
KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay, detection mapping, gene expression control, promoter,
KW termination sequence; corn.
XX
OS Zea mays subsp. mays.
XX
PN EP1033405-A2.
XX
PD 06-SEP-2000.
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PF 25-FEB-2000; 2000EP-0301439.
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Best Local Similarity 71.4%; Pred. No. 0.7;

Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CDPEKDS 7
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Db 72 cdpeken 78

RESULT 16
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ID AAY11649 standard; protein; 195 AA.
XX
AC AAY11649;
XX
DT 16-JUN-1999 (first entry)
XX
DE Human 5' EST secreted protein SEQ ID NO:301.
XX
KW Human; secreted protein; EST; expressed sequence tag; diagnosis;
KW forensic; gene therapy; chromosome mapping; signal peptide;
KW upstream regulatory sequence; cytokine activity; cell proliferation;
KW differentiation; haematopoiesis regulation; tissue growth regulation;
KW reproductive hormone regulation; chemotactic; chemokinetic; haemostatic;
KW thrombolytic; anti-inflammatory; tumour inhibition.
XX
OS Homo sapiens.
XX
PN WO9906439-A2.
XX
PD 11-FEB-1999.
XX
PF 31-JUL-1998; 98WO-IB01233.
XX
PR 01-AUG-1997; 97DS-0054468.
XX
PA (GEST) GENSEL.
XX
PI Duclert A, Dumas Milne Edwards J, Lacroix B;
XX
DR WPI; 1999-154703/13.
DR N-PSDB; AAX40362.
XX
PT New nucleic acids encoding human secreted proteins - obtained from
PT cDNA libraries derived from liver, lung, large intestine, colon,
PT thyroid and pancreas tissue
XX
PS Claim 27; Page 378-379; 398pp; English.
XX
CC AAX40251 to AAX40397 represent 5' expressed sequence tags (ESTs) for
CC human secreted proteins, and encode the proteins given in AAY11533 to
CC AAY11679, respectively. The proteins given represent the signal peptide
CC and an N-terminal fragment of a secreted protein. The nucleic acid
CC sequences can be used for producing secreted human gene products. They
CC can also be used to develop products for diagnosis and therapy. The
CC proteins obtained may have cytokine activity, cell
CC proliferation/differentiation activity, haematopoiesis regulating
CC activity, tissue growth regulating activity, reproductive hormone
CC regulating activity, chemotactic/chemokinetic activity, haemostatic and
CC thrombolytic activity, receptor/ligand activity, anti-inflammatory
CC activity, tumour inhibition activity or other activities. The products
CC can be used in forensic, gene therapy and chromosome mapping procedures.
CC The sequences can also be used for obtaining corresponding promoter
CC sequences. The nucleic acids encoding the signal peptide can be used for
CC directing extracellular secretion of a polypeptide or the insertion of a
CC polypeptide into a membrane, or importing a polypeptide into a cell.
XX
SQ Sequence 195 AA;

Query Match 89.3%; Score 45; DB 20; Length 195;
Best Local Similarity 85.7%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CDPEKDS 7

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ID   AAG43953 standard; Protein; 213 AA.
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AC   AAG43953;
XX
DT   18-OCT-2000  (first entry)
XX
DE   Zea mays protein fragment SEQ ID NO: 54997.
XX
KW   Protein identification; signal transduction pathway; metabolic pathway;
KW   hybridisation assay; genetic mapping; gene expression control; promoter;
KW   termination sequence; corn.
XX
OS   Zea mays subsp. mays.
XX
PN   EP1033405-A2.
XX
PD   06-SEP-2000.
XX
PF   25-FEB-2000; 2000EP-0301439.
XX
PR   25-FEB-1999;   99US-0121825.
PR   05-MAR-1999;   99US-0123180.
PR   09-MAR-1999;   99US-0123548.
PR   23-MAR-1999;   99US-0125788.
PR   25-MAR-1999;   99US-0126264.
PR   29-MAR-1999;   99US-0126785.
PR   01-APR-1999;   99US-0127462.
PR   06-APR-1999;   99US-0128234.
PR   08-APR-1999;   99US-0128714.
PR   16-APR-1999;   99US-0129845.
PR   19-APR-1999;   99US-0130077.
PR   21-APR-1999;   99US-0130449.
PR   23-APR-1999;   99US-0130510.
PR   23-APR-1999;   99US-0130891.
PR   28-APR-1999;   99US-0131449.
PR   30-APR-1999;   99US-0132048.
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PR   05-MAY-1999;   99US-0132485.
PR   06-MAY-1999;   99US-0132486.
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PR   11-MAY-1999;   99US-0134256.
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Db 2 [illegible] 8

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KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.
XX
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XX
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DT 18-OCT-2000 (first entry)
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XX

KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.
XX
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XX
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XX
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PF 25-FEB-2000; 2000EP-0301436.
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Query Match 84.4%; Score 35; DB 21; Length 224;
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KW Protein identification, signal transduction pathway, metabolic pathway,
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KW termination sequence; corn.
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OS Zea mays subsp. mays.
XX
PN EP1033405-A2.

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Query Match 83.4%; Score 45; DB 21; Length 229;
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